

1                   **WHAT IS CLAIMED IS:**

2                   1. An electrothermal rack of a hair dryer, comprising a main body  
3                   including a plurality of support wings, wherein:  
4                   each of the support wings has a mediate portion formed with a  
5                   positioning section;  
6                   the positioning section of each of the support wings has an outer side  
7                   formed with a plurality of inner insertion recesses;  
8                   each of the support wings has an outer side formed with an elongated  
9                   protruding plate;  
10                  the protruding plate of each of the support wings has an outer side  
11                  formed with a plurality of outer insertion recesses; and  
12                  each of the support wings is formed with an elongated slideway  
13                  which is defined between the outer side of the positioning section and the inner  
14                  side of the protruding plate.

15                  2. The electrothermal rack of a hair dryer in accordance with claim 1,  
16                  wherein the main body includes four support wings each extending outward in  
17                  a radiating manner.

18                  3. The electrothermal rack of a hair dryer in accordance with claim 1,  
19                  wherein the positioning section of each of the support wings has a first end and  
20                  a second end and has a thickness gradually increased from the first end to the

1 second end thereof, so that the positioning section of each of the support wings  
2 has a tapered configuration.

3           4. The electrothermal rack of a hair dryer in accordance with claim 3,  
4 wherein the outer side of the protruding plate has a tapered configuration and is  
5 in parallel with the outer side of the positioning section.

6           5. The electrothermal rack of a hair dryer in accordance with claim 1,  
7 wherein the protruding plate of each of the support wings is extended along the  
8 outer side of the positioning section and has an end integrally extended from  
9 each of the support wings.

10          6. The electrothermal rack of a hair dryer in accordance with claim 1,  
11 wherein the slideway of each of the support wings communicates with each of  
12 the inner insertion recesses of the positioning section.

13          7. The electrothermal rack of a hair dryer in accordance with claim 1,  
14 wherein the slideway has a distal end formed with an opening extended  
15 through a distal end of the protruding plate and connected to the ambient  
16 environment.

17          8. The electrothermal rack of a hair dryer in accordance with claim 7,  
18 further comprising an electrothermal body mounted on the main body, the  
19 electrothermal body is extended through the opening into the slideway and is  
20 inserted into and rested on the inner insertion recess of the positioning section  
21 of each of the support wings.

1               9. The electrothermal rack of a hair dryer in accordance with claim 8,  
2   wherein the electrothermal body is in turn wound around each of the inner  
3   insertion recesses of the positioning section of each of the support wings to  
4   form a plurality of loops, so that the electrothermal body forms a multi-loop  
5   inner layer around the positioning section of each of the support wings.

6               10. The electrothermal rack of a hair dryer in accordance with claim  
7   8, wherein the electrothermal body is in turn wound around each of the outer  
8   insertion recesses of the protruding plate of each of the support wings to form a  
9   plurality of loops, so that the electrothermal body forms a multi-loop outer  
10   layer around the protruding plate of each of the support wings.

11              11. The electrothermal rack of a hair dryer in accordance with claim  
12   1, wherein the main body includes a first board and a second board combined  
13   with each other.

14              12. The electrothermal rack of a hair dryer in accordance with claim  
15   11, wherein each of the first board and the second board has two sides each  
16   formed with the support wing.

17              13. The electrothermal rack of a hair dryer in accordance with claim  
18   11, wherein the first board has an end having a center formed with a first  
19   insertion slot, and the second board has an end having a center formed with a  
20   second insertion slot.

21              14. The electrothermal rack of a hair dryer in accordance with claim  
22   13, wherein the second board is inserted into the first insertion slot of the first

1 board, and the first board is inserted into the second insertion slot of the second  
2 board, thereby forming the main body.

3           15. The electrothermal rack of a hair dryer in accordance with claim  
4 13, wherein the total length of the first insertion slot and the second insertion  
5 slot is equal to the axial length of the first board and the second board.